

Criterion D: Inquiry

Level	Clarifications
1–2	<ul style="list-style-type: none"> -I attempted to state a research question which includes variables. <input type="checkbox"/> -Hypothesis may be missing or incorrectly written. <input type="checkbox"/> -I attempted to write a method. <input type="checkbox"/> -I attempted to evaluate the method and answer the question. <input type="checkbox"/>
3–4	<ul style="list-style-type: none"> -I stated a focused problem. <input type="checkbox"/> -I identified some relevant variables. <input type="checkbox"/> -I made a hypothesis with no science explanation. <input type="checkbox"/> -I made a hypothesis with a simple science explanation. <input type="checkbox"/> -My method is mostly complete and has errors. <input type="checkbox"/> -I attempted to evaluate my method and suggested some improvements; there's only one or two good evaluations. <input type="checkbox"/>
5–6	<ul style="list-style-type: none"> -I clearly stated a focused problem or research question. <input type="checkbox"/> -I identified the relevant variables. <input type="checkbox"/> -I have a hypothesis which I can test and support with good science explanation. <input type="checkbox"/> -My equipment list and method clearly explains how to control most variables. <input type="checkbox"/> -I evaluated my method for reliability and validity of results; there are at least three good evaluations. <input type="checkbox"/> -My improvements are clear and realistic and allow further inquiry. <input type="checkbox"/>

Criterion E: Data Processing

Level	Clarifications
1–2	<ul style="list-style-type: none"> -I attempted to collect, organize and present data. <input type="checkbox"/> -I attempted to observe a trend. <input type="checkbox"/> -I attempted to make an obvious conclusion (may be inappropriate). <input type="checkbox"/>
3–4	<ul style="list-style-type: none"> -I collected and presented the data in a suitable form (table including headings and units). <input type="checkbox"/> - I process data correctly into appropriate visual form. Some titles, headings and labels are not provided. <input type="checkbox"/> -I stated a trend based on the data. <input type="checkbox"/> -I drew a conclusion from the data. <input type="checkbox"/> - I have supported my conclusion with a simple science explanation. <input type="checkbox"/>
5–6	<ul style="list-style-type: none"> -I collected and presented data logically and comprehensively (including units in table heading). <input type="checkbox"/> - I process data correctly into appropriate visual form. Titles, headings and labels are clearly provided. <input type="checkbox"/> -I described a trend in the data and considered why some data might not fit the suggested trend. <input type="checkbox"/> -I stated a clear conclusion, interpreted from the data <input type="checkbox"/> -I have supported my conclusion with a good science explanation; I have applied the concept of pressure, volume, temperature, thermal and kinetic energy to describe my scientific understanding. <input type="checkbox"/>